

Professional Summary

Python Full Stack Developer with experience in building scalable web applications using **Python, Django, React**, and databases like **SQLite** and **MySQL**. Skilled in developing **ERP systems**, optimizing **RESTful APIs**, and enhancing performance. Proficient in **front-end** (HTML, CSS, JavaScript, React) and **backend** (Django, ERPNext) technologies, with expertise in **API design, database management**, and **Docker**. Strong in **problem-solving, teamwork**, and **communication**, with experience in **Git** and version control across freelance and corporate projects.

Work Experience

➤ Software Developer at SPA InnoVision Pvt Ltd | March 2023 – Present

Worked on projects such as **Integrity NDT HRMS, Asset Management System**, and **NDT Reporting Software**, focusing on generating NDT reports, managing stores, and overseeing asset inventory. Developed a scalable application architecture to **enhance** system efficiency and maintainability.

- **ERP System Development: Spearheaded** the development of enterprise ERP systems using Python, Django, and ERPNext, **enhancing** business operations and efficiency.
- **Client Portal & Front-end Development: Innovated** and developed React-based client portals and front-end components with HTML, CSS, and JavaScript, ensuring responsive and user-friendly interfaces across devices.
- **API Architecture & Optimization: Developed** and **optimized** RESTful APIs to streamline data communication, applying recursion and loop optimization to boost performance.
- **Performance Optimization: Achieved** a 60% reduction in report generation time and **improved** SQL query efficiency by 40% through advanced recursion techniques and loop optimizations.
- **OAuth Implementation: Implemented** OAuth 2.0 for secure and seamless third-party authentication, **enhancing** the security of user access and authentication processes.
- **Unit Testing: Analyzed** and maintained comprehensive unit test suites using Python and JavaScript, **improving** code reliability and reducing bugs across releases.
- **Cross-functional Collaboration: Collaborated** closely with product managers, designers, and backend engineers to deliver solutions that met client and business needs.
- **CI/CD Integration: Adapted** CI/CD pipelines to automate testing, deployment, and version control using Git and Docker, ensuring smooth, continuous integration and delivery.
- **System Architecture: Strategized** and contributed to system architecture improvements for scalability, maintainability, and adherence to industry standards.

➤ Freelance Developer | [Link](#)

- Developed **custom web applications** using **Python, Django, HTML, CSS, JavaScript**, and **AJAX** to meet diverse client requirements.
- Designed and implemented **RESTful APIs** for seamless data integration, utilizing **SQLite** for efficient database management.
- Applied **object-oriented programming** principles to ensure the codebase was **modular, scalable**, and easy to maintain.

Technical Skills

- **Programming Languages:** Python, C++, JavaScript (AJAX), SQL, SQLite, HTML, CSS
- **Frameworks:** Django, Frappe, LangChain (RAG), ERPNext, ReactJS
- **Tools & Technologies:** Git, GitHub, Docker, API Design, Hosting, Design, Data Structure and Algorithm, Design Patterns
- **Soft Skills:** Communication, Problem Solving, Teamwork, Public Speaking, Debugging, Design

Projects

➤ Online Learning Portal | [Link](#)

- Developed a two-panel portal for teachers and students using **Django** and **SQLite** for backend and database management.
- Implemented **Bootstrap** for responsive and user-friendly UI design.
- Integrated **authentication** and **email verification** features to ensure security and user validation.

➤ Healthcare Solutions | [Link](#)

- Engineered a 3-panel platform with an AI chatbot using **LangChain** and **RAG** for enhanced user interaction.
- Utilized **Django** for backend development and **SQLite** for database schema design and management.
- Implemented **authentication** and **Bootstrap** to ensure a secure and responsive user experience.

Education

- **B.Tech in Computer Science and Engineering** | BBSBEC, Fatehgarh Sahib, Punjab | 2023 Batch

Achievement and Certification

- Fullstack Development using Python | Cetpa Infotech | July 2023
- Machine Learning | Internshala | July 2021
- Certificate of Training in Python | Internshala | June 2020